

MODEL 202 SERIES

SERVICE DATA SHEET

I.F. ALIGNMENT (470 Kc/s)

Fully unscrew bottom cores (i.e. underneath chassis) on each transformer. Then adjust cores for maximum response in the following order :—

- Top core of 2nd I.F. Transformer.
- Top core of 1st I.F. Transformer.
- Bottom core of 2nd I.F. Transformer.
- Bottom core of 1st I.F. Transformer.

CALIBRATION

- Adjust pointer to extreme right-hand dot on M.W. scale with gang vanes fully in mesh.
- With input to frequency changer grid, adjust the I.F. Transformer cores as per I.F. alignment instructions, for maximum response at 470 Kc/s.
- Transfer input to Aerial and Earth Sockets, using standard Artificial Aerial. Put wave change switch in M.W. position. Set pointer to 200m and inject 1.5 Mc/s. Tune it in with Trimmer C13, then adjust aerial trimmer C8 for maximum signal.

RESISTANCE VALUES

L. No.	Description	ohms
L1	M.W. Aerial Coupling Coil	31
L2	M.W. Grid Coil	3.4
L3	L.W. Grid Coil	36
L4	L.W. Aerial Coupling Coil	4.8
L5	L.W. Osc. Grid Coil	13
L6	L.W. Osc. Coupling Coil	1.7
L7	M.W. Osc. Grid Coil	6.3
L8	M.W. Osc. Coupling Coil	1.2
L9	1st I.F. Transformer Primary	4.3
L10	1st I.F. Transformer Secondary	4.3
L11	2nd I.F. Transformer Primary	4.3
L12	2nd I.F. Transformer Secondary	4.3
T1	L.S. Output Transformer Primary	500
	Ter.	8
	Sec.	1.3
	Loud Speaker Speech Coil	3

- Tune in 600 Kc/s signal. Adjust M.W. padder C18 for maximum response while rocking gang. Check that this point corresponds to 500 metres on dial.
- Repeat operations three and four, until no further improvement can be obtained.
- With Wavechange switch on L.W. inject 300 Kc/s signal and adjust L.W. Oscillator Trimmer C16 for maximum response while rocking gang. Check that this point corresponds to 1000 metres on dial.

VOLTAGE MEASUREMENTS

All voltages relative to chassis and D.C. unless otherwise stated.

Measurements made with metres having

20,000 ohm/V D.C.

5,000 ohm/V A.C.

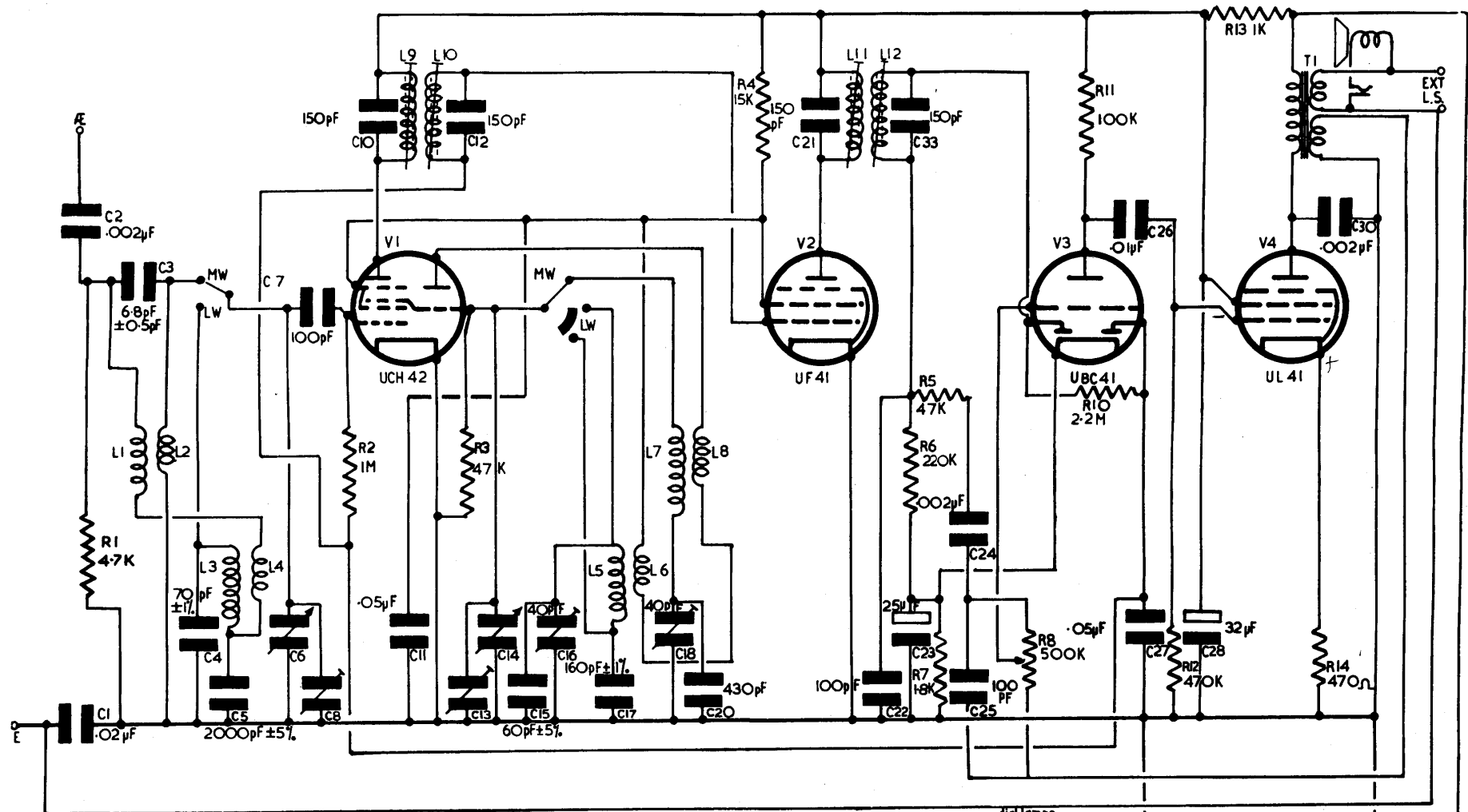
Input. 238 V A.C. 50 cps. on 236-255 V Tap.

VALVE	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8
UCH42	H 24 AC	AH 191	AT 104	G3.GT —	G2.G4 104	G1 —	K —	H —
UF41	H 35 AC	A 191	KS.G3 —	KS.G3 —	G2 104	G1 —	KS.G3 —	H 24 AC
UBC41	H 12 AC	AT 115	GT —	— —	AD —	AD —	K 1.2	H E
UL41	H 77 AC	A 207	K.G3. 13V	— —	G2 191	G1 —	K 13	H 35 AC
UY41	H 77 AC	AD 208 AC	— —	— —	— —	AD 208 AC	K 220	H 107 AC
Voltage across both Dial Bulbs 7.5 V A.C.								

MODIFICATION

Set Nos. 1 to 558 were wired with R1 between Aerial and Earth sockets. To avoid modulation hum on the Long Waveband, the resistor position was changed to that shown on the diagram.

R17 should be changed to 150 ohms 6 watts.



model 202
AC-DC MAINS
200-250 VOLTS

